

AMENDMENTS TO THE ABSTRACT:

Please delete the Abstract on the final page (page 58) of the specification and replace it with the following Abstract:

The invention relates to graft polymers, their preparation, and compositions, such as electrophoresis separation media, containing the same; also to ultra-high molecular weight poly(*N,N*-dimethylacrylamide) (“poly(DMA)”) polymers, their preparation, and compositions, such as electrophoresis separation media, containing the same; and more particularly to supports, such as capillaries, containing these polymers and methods for separating biomolecules, especially polynucleotides, using capillary electrophoresis. The graft polymers can be prepared by, e.g., grafting polyacrylamide units onto a poly(DMA) backbone. Separation media comprising such graft polymers or ultra-high molecular weight poly(DMA) polymers yield superior performance in the analysis and separation of biomolecules by capillary electrophoresis.